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GenCore version 5.1.4_p5_4578

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OM nucleic - nucleic search, using sw model

Run on: March 26, 2003, 11:15:34; Search time 60.6136 Seconds (without alignments)

Title: US-10-086-184-2
Perfect score: 21
Sequence: 1 gtgctactgatagagtgtacc 21

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0
```

Total number of hits satisfying chosen parameters:

558892

ALIGNMENTS

441362 seqs, 153338381 residues

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database: Issued\_Patents\_NA:\*
1: /cgn2\_6/ptcdata/2/ina/5A\_COMB.seq:\*
2: /cgn2\_6/ptcdata/2/ina/5B\_COMB.seq:\*
3: /cgn2\_6/ptcdata/2/ina/6A\_COMB.seq:\*
4: /cgn2\_6/ptcdata/2/ina/6B\_COMB.seq:\*
5: /cgn2\_6/ptcdata/2/ina/PCTUS\_COMB.seq:\*
6: /cgn2\_6/ptcdata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

TYPE: DNA

Regult No.	Score	Query Match Length		88	ID	Description
c 1	14.6	69.5	30	4	US-09-894-698-15	Sequence 15, Appl
c 2	13.6	64.8	22	w	US-08-343-998-17	17
			27	N	US-09-060-828A-16	16
C 4	12.4	59.0	17	-	US-07-854-596B-23	23
	12.4		17	٢	US-07-854-596B-45	45
6	12.4	59.0	32	4.	US-09-205-114-2	.,
7	12.2	58.1	27	۲	US-08-021-623C-7	7,
ი 8	12.2	58.1	32	-	US-08-090-523-18	18,
c 9	12.2	58.1	32	-	US-08-398-627-18	18,
L	12.2	58.1	32	۲	US-08-406-858-18	18,
	12.2	58.1	32	ហ	PCT-US91-04036-18	18,
	12.2	58.1	32	v	PCT-US94-05275-18	18,
c 13	12	57.1	22	w	US-08-343-998-1	1, 1
	12	57.1	24	ω	US-09-102-830-14	14
	12	7	24	4.	US-09-493-351B-11	11,
c 16	12	57.1	24	4	US-09-494-102A-9	Sequence 9, Appli
17	12	57.1	33	μ	US-08-417-476-29	29
18	12	57.1	37	4.	US-09-210-748A-14	14
c 19	11.8	•	20	۲	US-08-531-556-7	Sequence 7, Appli
	11.8	56.2	20	۲	US-08-472-416-7	7,
	11.8	56.2	22	w	US-09-113-309-14	Sequence 14, Appl
c 22	11.8	56.2	22	4.	US-09-521-109-14	Sequence 14, Appl
	11.8	56.2	22	4.	US-09-562-332-14	14,
24	11.8	56.2	28	۳	US-08-671-947-33	33,
25	11.8	56.2	33	۲	US-08-117-083-42	42,
	11.8		34	۲	US-07-803-633A-16	16,
c 27	11.8	56.2	36	۲	US-08-413-813-40	40,

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## Sequence 15, Application US/09894698 Sequence 15, Application US/09894698 Sequence 15, Application US/09894698 Sequence 15, Application US/09894698 Sequence 16, Application US/09894698 FILEANT: HARBOAGLEON: FITTLE OF INVENTION: FLEA ALLANTOINASE NUCLEIC ACID MOLECULES, PROTEINS AND TITLE OF INVENTION: USES THEREOF FILE REFERENCE: FC-6-C1-C1 CURRENT APPLICATION NUMBER: US/09/894,698 CURRENT APPLICATION NUMBER: 09/543,668 PRIOR APPLICATION NUMBER: 09/543,668 PRIOR APPLICATION NUMBER: 09/543,704 PRIOR APPLICATION NUMBER: 09/128,704 PRIOR FILING DATE: 1999-04-09 NUMBER OF SEQ ID NOS: 15 SOTTWARRH-PARENTIN Ver. 2.1

á Query Match Best Local Similarity "---hes 17; Conserva 밁 US-09-894-698-15 FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Primer ORGANISM: Artificial Sequence . بر 23 GTGCTACTGATAGAGTGTACC 21 Conservative 69.5**%**; 0 Score 14.6; Pred. No. 65; Mismatches ВВ 4 4. Length Indels Synthetic 30; 0 Gaps

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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 17
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Matches
                Best
                               Query Match
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APPLICANT: KOCHANEK, SAPPLICANT: SCHIEDNER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT FILING DATE: 1994-11-18
EARLIER APPLICATION NUMBER: 07/820,600
EARLIER FILING DATE: 1992-01-22
EARLIER APPLICATION NUMBER: PCT/FR90/00394
EARLIER FILING DATE: 1990-06-05
NUMBER: 050-06-05
                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Human immunodeficiency virus FEATURE:
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TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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                                                                               MOLECULE TYPE:
HYPOTHETICAL: 1
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KIT, Gordon
REGISTRATION NUMBER: 30,764
                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0,
CURRENT APPLICATION DATA;
APPLICATION NUMBER: US/09/060,828
FILING DATE: 16-APRIL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
             Local
                                                                                                                               TOPOLOGY:
                                                                                                                                           STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
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 15;
                Similarity
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                                                                                                                                                              nucleic acid
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                                                                                                                                                                             27 base pairs
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 Conservative
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                                                                                                               synthetic DNA
                                                                                                                                             single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     THE SAME
               60.0%;
78.9%;
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Score 12.6; DB 2;
Pred. No. 6.8e+02;
0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 13.6; DB 
Pred. No. 2e+02;
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Sequence 45, Application US/07854596B
Patent No. 5434073
GENERAL INFORMATION:
APPLICANT: Dawson, Keith M
APPLICANT: Hunter, Michael G
APPLICANT: Hunter, Michael G
APPLICANT: Czaplewski, Lloyd G
TITLE OF INVENTION: Proteins and nuc
NUMBER OF SEQUENCES: 73
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US-07-854-596B-23/c
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US-07-854-596B-45/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent No. 5434073
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                      Best Local Similarity
Matches 13; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: McDonnell, John J
REGISTRATION NUMBER: 26,949
REFERENCE/DOCKET NUMBER: 92,3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEPAX: 312-715-1234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, Ve
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/854,596B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Dr. John J. McDonnell
STREET: Ten South Wacker Drive, Suite 3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Dawson, Keith M
APPLICANT: Hunter, Michael G
APPLICANT: Czaplewski, Lloyd G
TITLE OF INVENTION: Proteins and nucleic acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: cDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc feature LOCATION: 1..17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 03
CLASSIFICATION:
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                                                                                                                                                                                                                                                                     2 TGCTACTGATAGAG 15
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Pred. No. 8.1e+02
0; Mismatches
                          G
and nucleic acids
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CORRESPONDENCE ADDRESS:

ADDRESSEE:

Dr. John J. McDonnell

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APPLICANT: Kenneth J. Livak
APPLICANT: Adam L. Lowe
APPLICANT: ADAM L. Longth Determination of Nucleic Acid
TITLE OP INVENTION: Repeat Sequences By Discontinuous Primer
PILE REFERENCE: 0550-0079:30
CURRENT APPLICATION NUMBER: US/09/205,114
CURRENT FILING DATE: 1998-12-03
EARLIER FILING DATE: 1998-12-03
EARLIER FILING DATE: 1997-05-27
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PASTURE OF SEQ ID NOS: 4
SOFTWARE: PASTURE: OTHER DATE: 1997-05-27
INGERIAL SEQ ID NOS: 4
CORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: oligo 1411-1G
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                                     Query Match
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Best Local Similarity 92.9
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2, Application US/09205114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 312-715-1234
TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
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NAME: McDonnell, John J
REGISTRATION UNMER: 26,949
REFERENCE/DOCKET NUMBER: 92,3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEPAX: 312-715-1234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOPTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION UMBER: US/07/854,596B FILING DATE: 03-UN-1992 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET:
CITY: Ch
STATE: I
COUNTRY:
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OTHER INFORMATION: /note= "oligonucleotiede BB3510"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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COMPUTER: IBM PC comparible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc feature LOCATION: 1..17
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59.0%; Score 12.4; DB 4; Length 32; 92.9%; Pred. No. 8.7e+02; ative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                59.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92,337
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Pred. No. 8.1e+02
0; Mismatches
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RESULT 8
US-08-09-523-18/c
US-08-090-523-18/c
; Sequence 18, Application US/08090523
; Patent No. 5498830
; GENERAL INFORMATION:
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; MAP POSITION: 27914
US-08-021-623C-7
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US-08-021-623C-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALLORNES ADDRESS, G. HARTLEY
REGISTRATION NUMBER: 33,650
REFERENCE/DOCKET NUMBER: WNB4/
TELECOMMUNICATION INFORMATION:
TELEPHONE: 314/231-5400
TELEFAX: 314/231-4342
TELEFAX: 6502697583 MCI
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                         Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 63102
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk, 5.25", 360 kb.
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin 1.0, v1.25; EDIX; Wordperfect.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/021,623C
FILING DATE: 19-FEB-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7, Application US/08021623C Patent No. 5436149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION: APPLICANT: Barnes
                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Lambda
STRAIN: PaPa
INDIVIDUAL ISOLATE: IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO ANTI-SENSE: NO ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: The TITLE OF INVENTION: enha TITLE OF INVENTION: eff: NUMBER OF SEQUENCES: 17 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Senninger, Powers, Leavitt and Roedel STREET: One Metropolitan Square, 16th Floor CITY: St. Louis
                                                                                                                                                                                                       Local Similarity
nes 14; Conserv
                                                                                                                                                                                                                                                                                                                                                          LIBRARY:
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                                                                                                                                                                       2 TGCTACTGATAGAGTGT 18
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VENTION: Thermostable DNA polymerase with
VENTION: enhanced thermostability and enhanced length and
VENTION: efficiency of primer extension
                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                          Primer
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Pred. No. 1.1e+03
0; Mismatches
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PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/709663

FILING DATE: 07-JUN-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/539763

FILING DATE: 18-JUN-1990

ATTORNEY/AGENT INFORMATION:

NAME: BONNET, Grace L.

REGISTRATION NUMBER: 32,963

REFERENCE/DOCKET NUMBER: 38-21(10559)A

TELEPHONE: (314) 537-7286

TELEPAX: (314) 537-6047

INFORMATION FOR SEQ ID NO: 18:

SEQUENCE CHARACTERISTICS:

LENGTH: 32 base pairs
                                                                                                                                                                                                                                                                                                                                           Sequence 18, Application US/08398627 Patent No. 5608149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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                                                                                                                                                                                                                                       GENERAL INFORMATION:

APPLICANT: Barry, Gerard F.

APPLICANT: Stark, David M.

APPLICANT: Stark, David M.

TITLE OF INVENTION: Enhanced:
                                                                                                                                                                                                                                                                                                                                                                                    08-398-627-18/c
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APPLICANT: Kishore, Ganesh M.
APPLICANT: Stark, David M.
TITLE OF INVENTION: Enhanced Starch Biosynthesis
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
                                                                                                                                                                                 NUMBER OF SEQUENCES: 5:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Grace L. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (synthetic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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  OPERATING SYSTEM:
                                                                                                                                                            STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Match 58.1%; Score 12.2; DB 1; Length 32; Local Similarity 82.4%; Pred. No. 1.1e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US
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                                                                                             COUNTRY:
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                                                                                                                                         St. Louis
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                                                                                                 Missouri
7: USA
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700 Chesterfield Parkway No. 5498830th
                                                                                                                                                          E: Grace L. Bonner, Monsanto Co. BB4F
700 Chesterfield Parkway No. 5608149th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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: Floppy disk
IBM PC compatible
PC-DOS/MS-DOS
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LENGTH: 32 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (synthetic)
US-08-398-627-18
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Best Local Similarity
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/090,523
FILING DATE: 12-JUL-1993
APPLICATION NUMBER: US 07/709663
FILING DATE: 07-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/539763
FILING DATE: 18-JUN-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (314) 537-6047 INFORMATION FOR SEQ ID NO: :
                                                 APPLIANCE
FILING DATE:
FILING DATE:
CLASSIPICATION: 800
PRIOR APPLICATION UNBER: PCT/US94/05275
APPLICATION UNBER: PCT/US94/05275
APPLICATION UNBER: 18 MAY-1994
                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Bonner, Grace L.
REGISTRATION NUMBER: 32,963
REFERENCE/DOCKET NUMBER: 38
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 537-7286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/398,627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Barry, Gerard F. APPLICANT: Kishore, Ganesh APPLICANT: Stark, David M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Zalewski, James C.
TITLE OF INVENTION: Method of Improving the Quality of
TITLE OF INVENTION: Stored Potatoes
APPLICATION NUMBER: US 08/070,155
FILING DATE: 28-MAY-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24 TGCTCCTGATCGACTGT 8
                                                                                                                                                                                APPLICATION NUMBER: US/08/406,858
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                                                                                                                                                                                                                                                                                                                                                                                   CITY:
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Missouri
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                                                                                                                                                                                                                                                                                                                                                                                                  E: Grace L. Bonner, Monsanto Company, BB4F 700 Chesterfield Parkway No. 5648249th
                                                                                                                                                                                                                                                                                                                                          USA
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82.4%;
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Pred. No. 1.1e+03
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REGISTRATION NUMBER:

32,963

38-21 (10654) A

Bonner, Grace L.

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                                                                                                                         ; TOPOLOGY: 15; MOLECULE TYPE: PCT-US91-04036-18
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PCT-US91-04036-18/c
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TELEFAX: (314)537-6047
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 32 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                             TELEPHONE: (314) 537-7357
TELEPAX: (314) 537-6047
INFORMATION FOR SEQ ID NO: 18
SEQUENCE CHARACTERISTICS:
LENGTH: 32 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: Bingle
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Matches
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Best Local :
                                                            Matches
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                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/US
FILING DATE: 19910607,
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: MCBride, Thomas P. 1991061
                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                               REGISTRATION NUMBER: 32706
REFERENCE/DOCKET NUMBER: 38-21 (10530) A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 537-7357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Kishore, Ganesh M.
TITLE OF INVENTION: Increased Starch Content in Plants
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 38
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314)537-7286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
nes 14; Conserv
24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: MonBanto Lo.
STREET: 700 Chesterfield Village Parkway
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                                                          14;
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                                                                           Similarity
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                                                            Conservative
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                                                                                                                                                    linear
                                                                                                                                      DNA (synthetic)
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                                                                           58.1%;
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                                                                           Score 12.2;
Pred. No. 1
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Pred. No. 1.1e+03;
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                                                            Mismatches
                                                                            .1e+03;
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                                                                                          Length 32;
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                                                            Indels
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                                                            Gaps
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RESULT 12

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                                                                                                                                                                              SOFTWARE: PatentIn
SEQ ID NO 1
LENGTH: 22
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Best Local (
                                       Matches
                                                                       Query Match
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Patent No. 6020123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                        Best Local Similarity
                                                                                                                                                                                                                                                                    FILE REFERENCE: 2356.0065-01
CURRENT APPLICATION NUMBER: US/08/343,998A
CURRENT FILING DATE: 1994-11-18
EARLIER APPLICATION NUMBER: 07/820,600
EARLIER FILING DATE: 1992-01-22
EARLIER APPLICATION NUMBER: PCT/FR90/00394
                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Brechot, Christian
APPLICANT: Courgnard, Valerie
TITLE OF INVENTION: OLIGONUCLEOTIDE SEQUENCES FOR THE AMPLIFICATION OF THE
TITLE OF INVENTION: GENOME OF THE RETROVIRUSES OF THE HIV-2 AND SIV TYPE,
TITLE OF INVENTION: AND THEIR USES FOR IN VITRO DIAGNOSIS OF THE INFECTIONS
TITLE OF INVENTION: DUE TO THESE VIRUSES
                                                                                                                                                                                                                                  EARLIER FILING DATE: 1990-06-05
NUMBER OF SEQ ID NOS: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Sonigo, Pierre APPLICANT: Brechot, Chris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 28-MAY-1: INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Method of TITLE OF INVENTION: Potatoes NUMBER OF SEQUENCES: 26 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                          TYPE: DNA ORGANISM: Human immunodeficiency virus type
                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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LENGTH: 32 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA: APPLICATION NUMBER: 1
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nes 14; Conserv
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FILING DATE:
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   2 TGCTACTGATAGAGTGTACC 21
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                                       Conservative
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                                                      57.1%;
75.0%;
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                                 Score 12; DB 3; Le
Pred. No. 1.3e+03;
0; Mismatches 5;
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Pred. No. 1.1e+03;
0; Mismatches 3
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                                                                       Length 22;
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                                     Gape
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RESULT 14 US-09-102-830-14/c

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                                                                                                                                                                                                                                                                                                                                                                        US-09-493-351B-11/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: OGDEN, STASIA L
REGISTRATION NUMBER: 36,228
REFERENCE/DOCKET NUMBER: CDS-137/SLO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 908-524-2819
TELEPHONE: 908-524-2819
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STEADDENNESS: single
              APPLICANT: PRESTON, Gregory
APPLICANT: BACKUS, John
APPLICANT: BACKUS, John
TITLE OF INVENTION: ENHANCEMENT OF THE SPECIFICITY OF NUCLEIC ACID AMPLIFICATION BY
TITLE OF INVENTION: NUCLEIC ACID
TITLE OF INVENTION: NUMBER: US1
CURRENT APPLICATION NUMBER: US(09/493,351B
CURRENT FILING DATE: 2000-01-28
PRIOR APPLICATION NUMBER: 60/118,495
PRIOR APPLICATION NUMBER: 60/118,495
PRIOR APPLICATION NUMBER: 1299-02-03
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.1
SEQ ID NO 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/102,830
FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                         Sequence 11, Application US/09493351B
Patent No. 6300075
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 75.0
Matches 15; Conservative
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LENGTH: 24
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APPLICANT: RASMUSSEN, ERIC B
APPLICANT: CUMMINS, THOMAS J
TITLE OF INVENTION: AMPLIFICATION AND DETECTION OF HIV-1
TITLE OF INVENTION: AMPLIFICATION AND DETECTION OF HIV-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: BACKUS, JOHN W
APPLICANT: ATWOOD, SUSAN M
APPLICANT: CASEY, ANN E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: ONE JOHNSON & JOHNSON PLAZA
CITY: NEW BRUNSWICK
STATE: NEW JERSEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: ... STRANDEDNESS: SIL
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; TYPE: DNA; ORGANISM: Artificial Sequence; PEATURE; ; ORGANISM: Oligonucleotide primer; ; OTHER INFORMATION: OLIGONUCLEOTICE OF THE PROPERTY OF THE P
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Search completed: March 26, 2003, 23:20:19
Job time : 61.6136 secs